

IFW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Saito et al. International Application Nr.: PCT/JP03/12991
Serial Number: 10/532,149 International Filing Date: 09 October 2003
371 Filing Date: 09/14/2005 Confirmation Number: 6483
Group Art Unit: 2875 Examiner: unknown
Title: **LINE-ILLUMINATING DEVICE AND IMAGE-SCANNING DEVICE
INCORPORATING LINE-ILLUMINATING DEVICE
REQUEST FOR CORRECTED FILING RECEIPT**

Filing Receipt Corrections
Commissioner For Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

Sir:

With respect to the identified patent application, applicant respectfully requests a corrected filing receipt with the following corrections

In the section entitled Title, please change "Line illuminator and image reader incorporating it" to -- Line-illuminating device and image-scanning device incorporating line-illuminating device --. This requested change is in accordance with the title shown at the top of page 1 of the specification (copy enclosed). Also, between the "Applicant(s) section and the "Power of Attorney" section, please insert the Assignment For Published Patent Application – NIPPON SHEET GLASS CO., LTD.

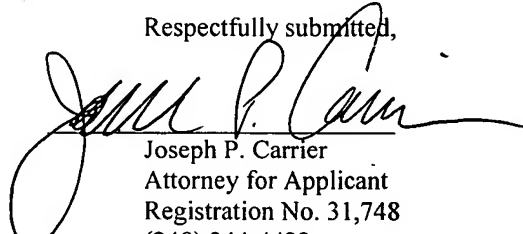
Applicant encloses a hand-amended copy of the filing receipt showing the requested corrections. Favorable consideration is respectfully requested.

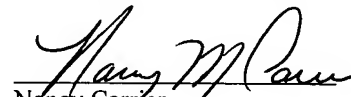
Customer Number 21828
Carrier, Blackman, & Associates, P.C.
24101 Novi Road, Suite 100
Novi, Michigan 48375
10 March 2006

I hereby certify that this correspondence is being deposited with the U. S. Postal Service as first class mail in an envelope addressed to Commissioner For Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450 on 10 March 2006

Dated: 10 March 2006
JCP/nmc
Enclosure

Respectfully submitted,


Joseph P. Carrier
Attorney for Applicant
Registration No. 31,748
(248) 344-4422


Nancy Carrier

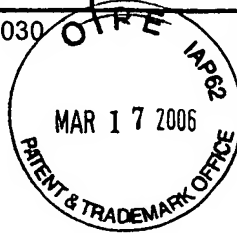


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/532,149	09/14/2005	2875	1030	KNI-204-A	4	12	3

Carrier Blackman & Associates
Suite 100
24101 Novi Road
Novi, MI 48375



CONFIRMATION NO. 6483

FILING RECEIPT



OC000000018142177

RECEIVED MAR - 6 2006

Date Mailed: 03/01/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Tomihisa Saito, Osaka, JAPAN;
Takashi Kishimoto, Osaka, JAPAN;
Hidemitsu Takeuchi, Osaka, JAPAN;
Yukihiro Kato, Osaka, JAPAN;

Assignment For Published Patent Application - Nippon Sheet
Glass Co., LTD.
Power of Attorney: The patent practitioners associated with Customer Number 21828.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/12991 10/09/2003

Foreign Applications

JAPAN 2002-306166 10/21/2002

Projected Publication Date: 06/08/2006

Non-Publication Request: No

Early Publication Request: No

Title

Line illuminator and image reader incorporating it

Line-Illuminating Device and
Image-Scanning Device
Incorporating Line-Illuminating
Device

Preliminary Class

362

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



DESCRIPTION

LINE-ILLUMINATING DEVICE AND IMAGE-SCANNING DEVICE
INCORPORATING LINE-ILLUMINATING DEVICE

5

Technical Field

1 The present invention relates to a line-illuminating device and a contact-type image-scanning device (image sensor) in which the line-illuminating device is incorporated.

10

Background Art

2 A contact-type image sensor is used as a device for scanning a document in a facsimile machine, a copying machine, an image scanner or the like. The contact-type image sensor is provided with a line-illuminating device for linearly illuminating a
15 document surface along a main scanning field.

3 In the line-illuminating device, a bar-shaped light guide is accommodated in a casing, light from a light source (LED) is introduced into the bar-shaped light guide, and the light is allowed to reflect within the bar-shaped light guide and be emitted from a light-emitting surface along the longitudinal direction of the bar-shaped light guide
20 toward the document surface, in which the light-emitting surface is exposed from the casing (Patent Documents 1 and 2). There have been known a type in which a light source is provided on one end of the casing, and a type in which light sources are provided on both ends of the casing.

[Patent Document 1] Japanese Patent Application Publication No. 8-163320

25 [Patent Document 2] Japanese Patent Application Publication No. 10-126581

4 Among the conventional line-illuminating devices, as for the type in which a light source is provided on one end, the light amount is insufficient, and the illumination intensity is non-uniform along the main scanning direction. Thus, a light-scattering pattern is provided. However, it is still difficult to completely solve the problem of